

Title (en)

ACTIVE NOISE CANCELLATION / ENGINE ORDER CANCELLATION FOR VEHICLE EXHAUST SYSTEM

Title (de)

AKTIVE RAUSCHUNTERDRÜCKUNG / MOTORORDNUNGS-UNTERDRÜCKUNG FÜR EINE KRAFTFAHRZEUG-ABGASANLAGE

Title (fr)

SUPPRESSION DU BRUIT / SUPPRESSION D'HARMONIQUE DE MOTEUR POUR UN SYSTÈME D'ÉCHAPPEMENT D'UN VÉHICULE

Publication

EP 3477630 A1 20190501 (EN)

Application

EP 17198562 A 20171026

Priority

EP 17198562 A 20171026

Abstract (en)

An active noise cancellation system and method, in which an active noise controller generates an anti-noise signal based on an error signal, and a loudspeaker operatively coupled to the active noise controller converts the anti-noise signal into anti-noise sound. An acoustic error sensor operatively coupled to the active noise controller picks up sound and converts the picked-up sound into the error signal. The acoustic error sensor is disposed at a front face of the loudspeaker.

IPC 8 full level

G10K 11/178 (2006.01)

CPC (source: EP US)

G10K 11/17823 (2017.12 - EP US); **G10K 11/17825** (2017.12 - EP US); **G10K 11/17875** (2017.12 - US); **G10K 11/17881** (2017.12 - US); **G10K 11/17883** (2017.12 - EP); **G10K 11/17817** (2017.12 - EP US); **G10K 2210/121** (2013.01 - EP US); **G10K 2210/12822** (2013.01 - EP US); **G10K 2210/3027** (2013.01 - EP); **G10K 2210/3039** (2013.01 - EP); **G10K 2210/3044** (2013.01 - US); **G10K 2210/3045** (2013.01 - EP); **G10K 2210/3217** (2013.01 - EP); **G10K 2210/3219** (2013.01 - EP US)

Citation (search report)

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IT202100027728A1; EP4174844A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3477630 A1 20190501; **EP 3477630 B1 20200304**; US 10373602 B2 20190806; US 2019130891 A1 20190502

DOCDB simple family (application)

EP 17198562 A 20171026; US 201816149186 A 20181002